

<form> → refer previous example.

<div ngModelGroup="address">

<div class="form-group">

<label> Street </label>

<input type="text" class="form-control" name="street" ngModel>

</div>

<div class="form-group">

<label> State </label>

<input type="text" class="form-control" name="state" ngModel>

</div>

<div class="form-group">

<label> Code </label>

<input type="text" class="form-control" name="code" ngModel>

</div>

</div>

<button class="btn btn-primary"> Submit </button>

</form>

Output:

{ "Name": "Pragathi", "email": "@gmail", "phone": "7896202", "subscription": true
"address": { "street": "2nd main", "state": "Andhra", "code": "560010" } }

Name

Email

Phone

Can the details above are correct

Street

State

Postal Code

Updating the value and reflecting it in template using two way binding

user.ts

```
export class User {  
  constructor (  
    public username: string,  
    public email: string,  
    public phone,  
    public subscribe  
  ) {}  
}
```

app.component.ts

```
import { Component } from '@angular/core';
```

```
import { User } from './user';
```

```
@Component({  
  selector: 'app-root',  
  templateUrl: './app.component.html',  
  styleUrls: ['./app.component.css']  
})
```

```
export class AppComponent {
```

```
  title = 'Form Example';
```

```
  userModel = new User ('sushma', 'sushma@gmail.com',
```

```
    '9876543210', false)  
}
```

app.component.html

```
<div class="class container-fluid">
```

```
<form #userForm="ngForm">
```

```
  {{userForm.value | json}}
```

```
</form>
```

```
  {{userModel | json}}
```

```
<div class="form-group">
```

```
<table> Name </table>
```

```
<input type="text" class="form-control" name="username"
[ngModel]="userModel.username">
</div>
<div class="form-group">
<label>Email</label>
<input type="text" class="form-control" name="email"
[ngModel]="userModel.email">
</div>
<div class="form-group">
<label>Phone Number</label>
<input type="text" class="form-control" name="phone"
[ngModel]="userModel.phone">
</div>
<div class="form-group">
<input type="checkbox" class="form-check-input"
name="subscribe" [ngModel]="userModel.subscribe">
<label class="form-check-label"> declaration </label>
</div>
<button class="btn btn-primary"> Submit </button>
</form>
```

Output:

```
{ "username": "sushma Surub", "email": " @gmail.com", "phone": "9876743",
"subscribe": false }
{ "username": "sushma Surub", "email": " @gmail.com", "phone": "9876743",
"subscribe": false }
```

Name

Sushma Surub

Email

@gmail.com

Phone Number

9876743

☐ declaration

Submit

Track control state and validity.

state	Class if true	Class if false
The control has been visited	ng-touched	ng-untouched
The control value has changed	ng-dirty	ng-pristine
The control value is valid	ng-valid	ng-invalid

ngModel Properties:-

class	Property
ng-untouched	untouched
ng-touched	touched
ng-pristine	pristine
ng-dirty	dirty
ng-valid	valid
ng-invalid	invalid

```
<div class="form-group">  
  <table> Name </table>  
  <input type="text" class="form-control"  
    #name [(ngModel)]="userModel.userName">  
</div>  
  {{ name.className }}  
</div>
```

Output: Before

Name

form-control ng-untouched
ng-pristine ng-valid

After :-

(37)

1. > when the cursor hits the input tag the property changes from
ng-untouched to ng-touched.
2. > when the content of input tag is changed the property from
ng-pristine to ng-dirty.
3. > when the property is set to required and the content is empty then the property changes from
ng-valid to ng-invalid.